L I	Hits	Search Text	DB	Time stamp
Number	nits	Search leat		inne stamp
1	100	(((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccls. or		10:41
		370/\$.ccis. or 455/\$.ccis. or 327/\$.ccis. or		
		379/\$.ccls.)		
2	28	((down adj conver\$5) same (imperfect\$4 or	USPAT	2004/01/12
		imbalanc\$3 or ideal)) and ((((down adj	Join	10:41
		conver\$5) same compensat\$4) same		10.41
		demodulat\$4) and (375/\$.ccls. or 370/\$.ccls.		:
		or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls. ))		
3	72	((((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccis. or		10:41
		370/\$.ccis. or 455/\$.ccis. or 327/\$.ccis. or		
		379/\$.ccls. )) not (((down adj conver\$5)		
		same (imperfect\$4 or imbalanc\$3 or ideal))		
•		and ((((down adj conver\$5) same		
		compensat\$4) same demodulat\$4) and		
		(375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or	:	
		327/\$.ccis. or 379/\$.ccis. )))		
4	47	(((((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccis. or		10:48
		370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or		
		379/\$.ccls. )) not (((down adj conver\$5)		
		same (imperfect\$4 or imbalanc\$3 or ideal))		
		and ((((down adj conver\$5) same		·
		compensat\$4) same demodulat\$4) and		
		(375/\$.ccis. or 370/\$.ccis. or 455/\$.ccis. or		
		327/\$.ccis. or 379/\$.ccis. )))) and		
		(quadrature)		
5	16	((((((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccls. or		10:55
		370/\$.ccis. or 455/\$.ccis. or 327/\$.ccis. or		
		379/\$.ccls. )) not (((down adj conver\$5)		
		same (imperfect\$4 or imbalanc\$3 or ideal))		
		and ((((down adj conver\$5) same		
		compensat\$4) same demodulat\$4) and		
		(375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or		
		327/\$.ccls. or 379/\$.ccls. )))) and		
		(quadrature)) and (satellite or repeater)		

6	31	((((((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccls. or		10:55
		370/\$.ccis. or 455/\$.ccis. or 327/\$.ccis. or		
		379/\$.ccls. )) not (((down adj conver\$5)		
		same (imperfect\$4 or imbalanc\$3 or ideal))		•
		and ((((down adj conver\$5) same	,	
		compensat\$4) same demodulat\$4) and		
		(375/\$.ccis. or 370/\$.ccis. or 455/\$.ccis. or		
		327/\$.ccls. or 379/\$.ccls. )))) and		
İ		(quadrature)) not ((((((down adj conver\$5)		
		same compensat\$4) same demodulat\$4)		
		and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls.		
		or 327/\$.ccls. or 379/\$.ccls. )) not (((down		
		adj conver\$5) same (imperfect\$4 or		·
		imbalanc\$3 or ideal)) and ((((down adj		
		conver\$5) same compensat\$4) same	•	
		demodulat\$4) and (375/\$.ccis. or 370/\$.ccis.	]	
		or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.		
		)))) and (quadrature)) and (satellite or		
		repeater))		
	3993	(375/219 or 375/222 or 375/261 or 375/285 or	USPAT	2003/01/06
-	3993	375/296 or 375/298 or 375/341 or	USPAI	
				10:15
	1017	375/346).ccls.	HODAT	0000104100
-	1017	(329/304 or 329/306 or 329/318 or 329/319 or	USPAT	2003/01/06
		329/320 or 329/349 or 329/350 or 329/351 or		10:16
	470	329/352 or 329/353).ccls.		
-	176	(327/238 or 327/254 or 327/255).ccls.	USPAT	2003/01/06
	i			10:16
	622	(332/123 or 332/124 or 332/159 or 332/160 or	USPAT	2003/01/06
		332/161 or 332/162).ccls.		10:17
-	1517	(455/24 or 455/284 or 455/295 or 455/296 or	USPAT	2003/01/06
		455/304 or 455/305 or 455/306 or		10:18
		455/326).ccls.		
-	6960	((375/219 or 375/222 or 375/261 or 375/285	USPAT	2004/01/09
		or 375/296 or 375/298 or 375/341 or		16:12
-	l	375/346).ccls.) ((329/304 or 329/306 or		
		329/318 or 329/319 or 329/320 or 329/349 or		
		329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or	ļ.	
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or		
		455/295 or 455/296 or 455/304 or 455/305 or	·	
		455/306 or 455/326).ccls.)		
-	9841	(I or Q or quadrature or inphase or in-phase)	USPAT	2003/01/06
		same (balanc\$3 compensat\$4 or reduc\$4 or		13:29
		eliminat\$4) same (imperfection or noise or		
		interference or distortion)		
] -	0	((I or Q or quadrature or inphase or in-phase)	USPAT	2003/01/06
		same (balanc\$3 compensat\$4 or reduc\$4 or		10:34
		eliminat\$4) same (imperfection or noise or		·
		interference or distortion)) and (self adj		
		interference adj remo\$4)		
	<del></del>		ı	<u> </u>

-	597	(((375/219 or 375/222 or 375/261 or 375/285	USPAT	2003/01/06
		or 375/296 or 375/298 or 375/341 or		10:34
		375/346).ccls.) ((329/304 or 329/306 or	1	
:		329/318 or 329/319 or 329/320 or 329/349 or		
		329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or		
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or		
		455/295 or 455/296 or 455/304 or 455/305 or	į	
	•	455/306 or 455/326).ccls.)) and ((I or Q or		
		quadrature or inphase or in-phase) same		
		(balanc\$3 compensat\$4 or reduc\$4 or		
		eliminat\$4) same (imperfection or noise or		
		interference or distortion))		
_	129	((((375/219 or 375/222 or 375/261 or 375/285	USPAT	2003/01/06
	.23	or 375/296 or 375/298 or 375/341 or	JUL A1	11:41
		375/346).ccls.) ((329/304 or 329/306 or		11.71
	:	329/318 or 329/319 or 329/320 or 329/349 or		
		329/350 or 329/351 or 329/352 or		
		329/353).ccis.) ((327/238 or 327/254 or		•
		327/255).ccis.) ((327/236 or 327/254 or 327/255).ccis.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or	1 .	
·				
		332/162).ccls.) ((455/24 or 455/284 or		
		455/295 or 455/296 or 455/304 or 455/305 or		
		455/306 or 455/326).ccls.)) and ((I or Q or		
		quadrature or inphase or in-phase) same		
		(balanc\$3 compensat\$4 or reduc\$4 or		
		eliminat\$4) same (imperfection or noise or		
		interference or distortion))) and ((up or		
		down) adj conver\$4)		
•	1	6421376.pn.	USPAT	2003/01/06
				11:40
-	6	("5530724"   "5631958"   "5784455"	USPAT	2004/01/09
		"5838786"   "6094422"   "6134224").PN.		11:13
-	143	(imperfect\$4 or imbalanc\$4) near5	USPAT	2003/01/06
		(quadrature)		11:40
-	39.	(((375/219 or 375/222 or 375/261 or 375/285	USPAT	2003/01/06
		or 375/296 or 375/298 or 375/341 or		11:40
		375/346).ccls.) ((329/304 or 329/306 or		
		329/318 or 329/319 or 329/320 or 329/349 or		
		329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or		·
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or	1.	
		455/295 or 455/296 or 455/304 or 455/305 or		
i e		455/000 - 455/0001- \\	I	
		455/306 or 455/326).ccls.)) and		
		((imperfect\$4 or imbalanc\$4) near5		

-	15	((((37.5/219 or 375/222 or 375/261 or 375/285	USPAT	2003/01/06
		or 375/296 or 375/298 or 375/341 or		13:25
		375/346).ccls.) ((329/304 or 329/306 or		
		329/318 or 329/319 or 329/320 or 329/349 or	·	
		329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or		
	·	327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or		
		455/295 or 455/296 or 455/304 or 455/305 or		
		455/306 or 455/326).ccls.)) and		
		((imperfect\$4 or imbalanc\$4) near5		
		(quadrature))) and ((up or down) adj conver\$4)		
_	738	((up or down) adj conver\$4) near6 (distortion	USPAT	2003/01/06
		or interference or imperfection or		13:29
		imbalanc\$3 or noise)		
1_	200	(((up or down) adj conver\$4) near6	USPAT	2003/01/06
		(distortion or interference or imperfection or		13:31
		imbalanc\$3 or noise)) same (balanc\$3 or		
		compensat\$4 or reduc\$4 or eliminat\$4 or		
		cancel\$5)		
-	25	(((375/219 or 375/222 or 375/261 or 375/285	USPAT	2003/01/06
		or 375/296 or 375/298 or 375/341 or		13:31
	ļ	375/346).ccls.) ((329/304 or 329/306 or		
		329/318 or 329/319 or 329/320 or 329/349 or		
		329/350 or 329/351 or 329/352 or		
1		329/353).ccls.) ((327/238 or 327/254 or		
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or		
		455/295 or 455/296 or 455/304 or 455/305 or		·
		455/306 or 455/326).ccls.)) and ((((up or		
		down) adj conver\$4) near6 (distortion or		
		interference or imperfection or imbalanc\$3		
		or noise)) same (balanc\$3 or compensat\$4		
		or reduc\$4 or eliminat\$4 or cancel\$5) )		
-	15	("5022047"   "5144641"   "5235615"	USPAT	2003/01/06
		"5309474"   "5357541"   "5359625"		13:41
1		"5363401"   "5375140"   "5414728"	,	
		"5467367"   "5548613"   "5596601"		
	[	"5712869"   "5754533"   "5757853").PN.		
•	5	(dac near1 ha).xa. and (quadrature same	USPAT	2004/01/08
	]	(imbalanc\$3 or imperfect\$4))		19:36
•	4	("5596439" "5280573" "5625640"	USPAT	2004/01/09
	_	"5860057").pn.		14:40
-	5	5596439.URPN.	USPAT	2004/01/09
	10	5625640.URPN.	HEDAT	14:40
	'5	JULJUHU.UNFR.	USPAT	2004/01/09 14:40
	1	5860057.URPN.	USPAT	2004/01/09
	'		USPAI	14:40
-	16	5596439.URPN. 5625640.URPN.	USPAT	2004/01/09
	.5	5860057.URPN.	JUPAI	14:40
	<u> </u>			14140

-	6	("3596002"   "3963990"   "5235612"	USPAT	2004/01/09
		"5428600"   "5444864"   "5625640").PN.		15:02
-	10	("3605018"   "4532635"   "4567485"	USPAT	2004/01/09
		"4630283"   "4688216"   "4979170"		15:06
		"5261118"   "5404375"   "5410750"		
		"5414431").PN.		
-	32	5410750.URPN.	USPAT	2004/01/09
				15:16
_	7564	((375/219 or 375/222 or 375/261 or 375/285	USPAT	2004/01/09
		or 375/296 or 375/298 or 375/341 or		16:12
		375/346).ccls.) ((329/304 or 329/306 or		
		329/318 or 329/319 or 329/320 or 329/349 or		
]		329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or	İ	
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		•
		332/162).ccis.) ((455/24 or 455/284 or		
	i	455/295 or 455/296 or 455/304 or 455/305 or		
		455/306 or 455/326).ccls.)		
_	156	(down adj conver\$5) same (imperfect\$4 or	USPAT	2004/01/09
-	150,	imbalanc\$3 or ideal)	UJFAI	16:52
l _	27	(((375/219 or 375/222 or 375/261 or 375/285	USPAT	2004/01/09
] -	21	or 375/296 or 375/298 or 375/341 or	USPAI	16:14
				10:14
1	i	375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or		
	:	329/350 or 329/351 or 329/352 or		
		329/353).ccls.) ((327/238 or 327/254 or		
		327/255).ccls.) ((332/123 or 332/124 or		
		332/159 or 332/160 or 332/161 or		
		332/162).ccls.) ((455/24 or 455/284 or		
·		455/295 or 455/296 or 455/304 or 455/305 or		
		455/306 or 455/326).ccls.)) and ((down adj		
		conver\$5) same (imperfect\$4 or imbalanc\$3		
	_	or ideal))		
•	5	5596439.URPN.	USPAT	2004/01/09
		(7.40.4.4.4.00)   7.40.7.00.4.1.1.1.7.7.00.4.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		16:20
-	9	("4644108"   "4897831"   "5596439"	USPAT	2004/01/09
	•	"5609155"   "5664011"   "5668871"		16:21
	4.5	"5734678"   "6049548"   "6185195").PN.		à
•	10	("4525676"   "4757272"   "4780887"	USPAT	2004/01/09
		"4894845"   "5184243"   "5333000"		16:24
		"5515196"   "5596606"   "5625640"		
		"5739866").PN.		
i <b>-</b>	29	("3419682"   "3750179"   "3993867"	USPAT	2004/01/09
		"4086534"   "4140972"   "4146838"		16:24
		"4178550"   "4320498"   "4385378"	1	·
		"4393494"   "4470138"   "4516236"		
		"4535445"   "4593399"   "4701935"		
		"4712235"   "4896371"   "4952193"		.
		"4995104"   "5131032"   "5193112"		
		"5307405"   "5315585"   "5436887"		
		"5444864"   "5450456"   "5475731"		
		"5596439"   "5691978").PN.		

•	3	5894500.URPN.	USPAT	2004/01/09 16:47
	11	5414431.URPN.	USPAT	2004/01/09
				16:47
-	4	6151373.URPN.	USPAT	2004/01/09
		·	,	16:49
-	0	6330290.URPN.	USPAT	2004/01/09
	:			16:50
-	27	5131032.URPN.	USPAT	2004/01/09
				16:51
-	472	(down adj conver\$5) same compensat\$4	USPAT	2004/01/09
				16:53
-	111	((down adj conver\$5) same compensat\$4)	USPAT	2004/01/09
		same demodulat\$4		16:54
-	100	(((down adj conver\$5) same compensat\$4)	USPAT	2004/01/12
		same demodulat\$4) and (375/\$.ccis. or	1	10:40
		370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or		
		379/\$.ccls. )		
•	28	((down adj conver\$5) same (imperfect\$4 or	USPAT	2004/01/12
		imbalanc\$3 or ideal)) and ((((down adj		10:40
	`	conver\$5) same compensat\$4) same		
		demodulat\$4) and (375/\$.ccls. or 370/\$.ccls.		•
		or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls. ))		
-	28	(((down adj conver\$5) same (imperfect\$4 or	USPAT	2004/01/09
		imbalanc\$3 or ideal)) and ((((down adj		16:55
		conver\$5) same compensat\$4) same		
		demodulat\$4) and (375/\$.ccls. or 370/\$.ccls.		
		or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls. )))	,	
		not 5131032.URPN.		